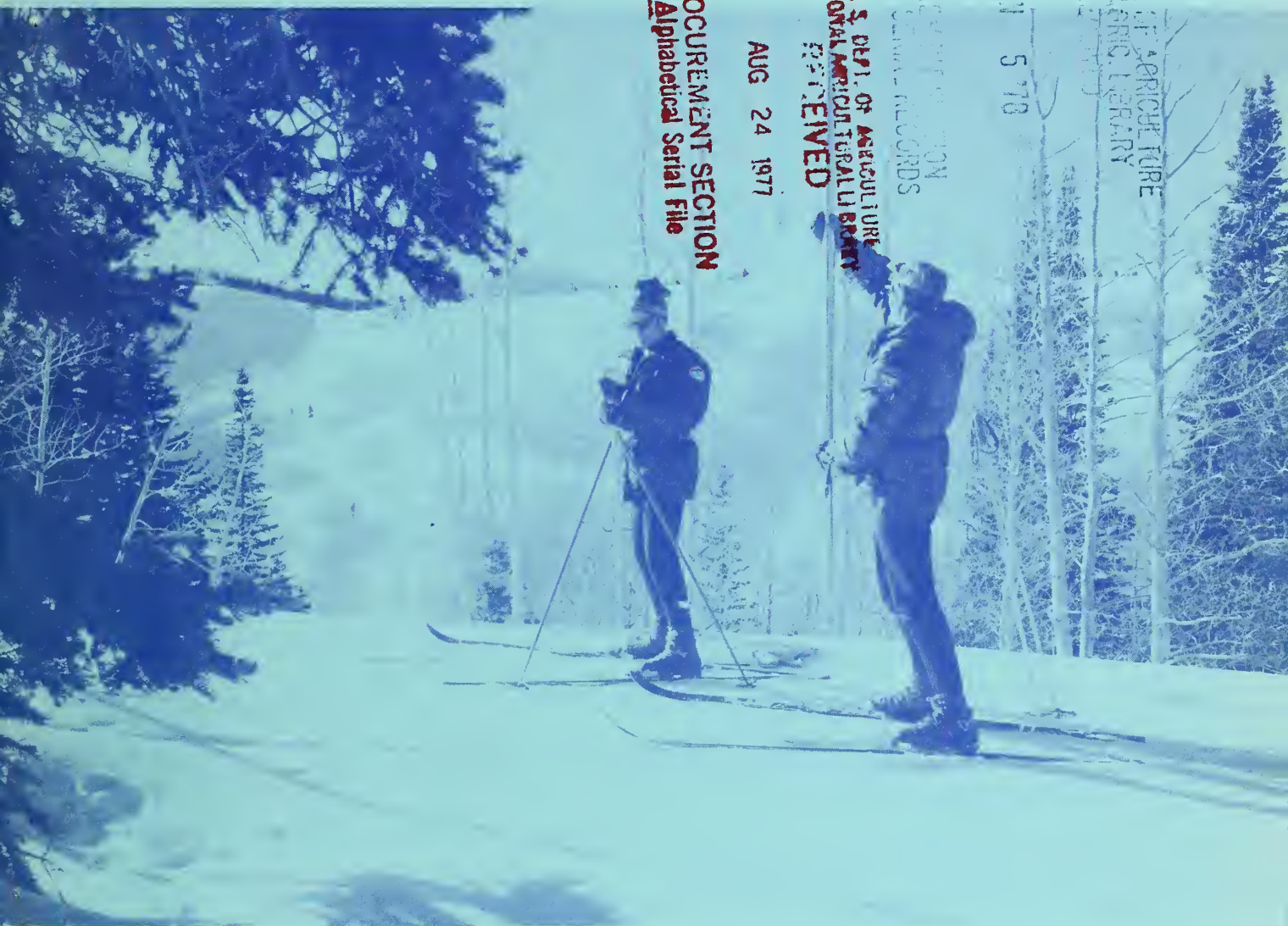


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A 341
No 3
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WATER SUPPLY OUTLOOK FOR WYOMING



PROCUREMENT SECTION
Alphabetical Serial File

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Collaborating with

STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
APR. 1, 1977

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW COURSE MEASUREMENTS BY A SURVEY TEAM IN UTAH'S WASATCH RANGE.
ORC-254-10

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, 6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

R. M. DAVIS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D. C.

////////////////////////////////////
Released by

BLAINE O. HALLIDAY
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
CASPER, WYOMING

In Cooperation with

GEORGE L. CHRISTOPULOS
STATE ENGINEER
STATE OF WYOMING

////////////////////////////////////
Report prepared by

JAMES W. HAGLUND, Snow Survey Supervisor
JON G. WERNER, Assistant Snow Survey Supervisor
and
MARILYN A. STARKS, Statistical Assistant

SOIL CONSERVATION SERVICE
P.O. BOX 2440
CASPER, WYOMING 82601

WATER SUPPLY OUTLOOK

IMPORTANT NOTICE REVISION OF FREE MAILING LIST

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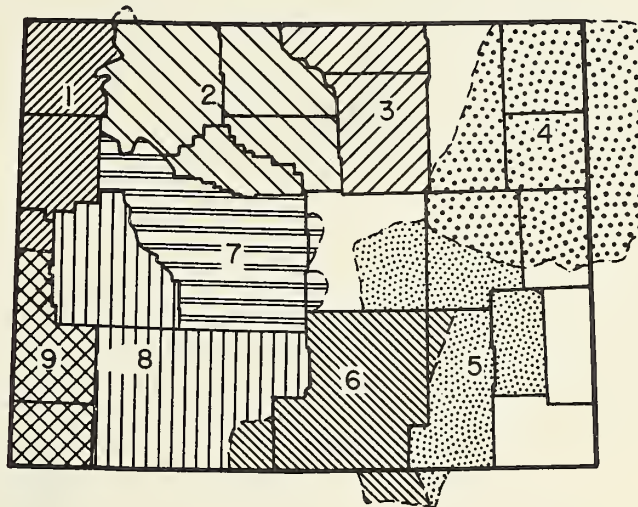
Water Supply Outlook by Major Watershed Areas

- Area 1 Snake, Madison and Upper Yellowstone Watersheds
- Area 2 Bighorn Basin
- Area 3 Powder and Tongue River Watersheds
- Area 4 Belle Fourche and Cheyenne River Watersheds
- Area 5 Lower North Platte River Watershed
- Area 6 Upper North Platte and Little Snake River Basins
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Map and Index of Wyoming Snow Measuring Sites

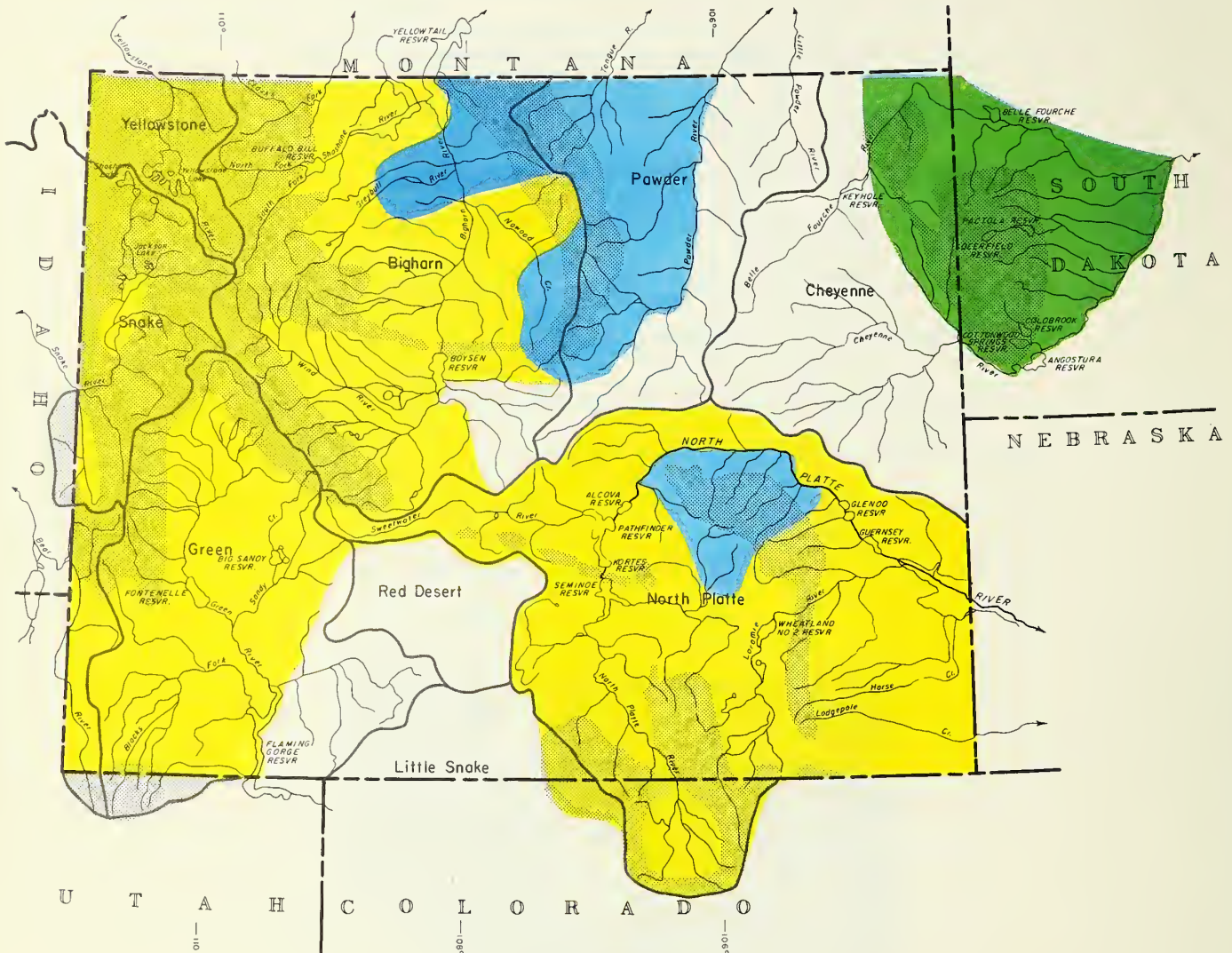


WATERSHED AREA LOCATIONS

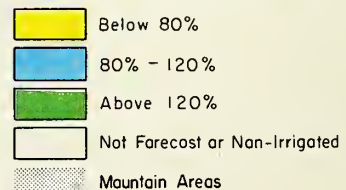
PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

April 1, 1977

50 0 50 MILES
SCALE 1 : 4,250,000



FORECAST STREAM FLOW
in Percent of 1958-1972 Year Average





Radioactive gage and precipitation gage, Casper Mountain SNOTEL site.

WYOMING SUMMARY
as of
APRIL 1, 1977

* * * * *

* *Severe water shortages are forecast for the south and west portions* *

* *of the state for water users without adequate reservoir storage. The* *

* *northeast corner of the state can expect above normal amounts during* *

* *the spring and summer months.* *

* * * * *

SNOWPACK

Although the mountain snowpack increased significantly throughout the state, the snowpack along the Continental Divide is still 60 percent below normal. The northeast portion of the state continued to receive heavy snows and the snowpack is now 25 percent above average in the northern portion of the Bighorns and nearly twice the April 1 average in the Black Hills. In the southeast portion of the state, the Laramie and North Platte watersheds range from 50 to 75 percent of normal.

Continued on next page--

PRECIPITATION

March precipitation has been above normal across the state with the exception of some southern and western areas receiving only one-half to one-third of normal. In spite of many large monthly increases, the seasonal totals since October, remain well below normal in all areas except the Tongue, Powder and Belle Fourche watersheds.

STREAMFLOW

Increases in the snowpack have improved the streamflow forecasts for the central and eastern portions of the state, but little or no change has occurred on the west side. Streamflow volumes are expected to range from 80 percent below normal in the southwest to half the normal amount in the northwest. Volumes are expected to be the lowest on record in many areas. Streamflow volumes will be much above normal in the northeast corner of the state, and generally 50-70 percent of normal throughout the remainder of the state.

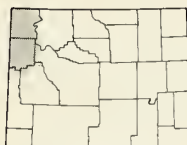
RESERVOIR STORAGE

Reservoir levels in the Belle Fourche watershed are being held at a low level in anticipation of the heavy spring runoff from the Black Hills. Throughout the remainder of the state reservoir storage is excellent and should help compensate for the low streamflows.

WATER SUPPLY OUTLOOK

FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

APRIL 1, 1977



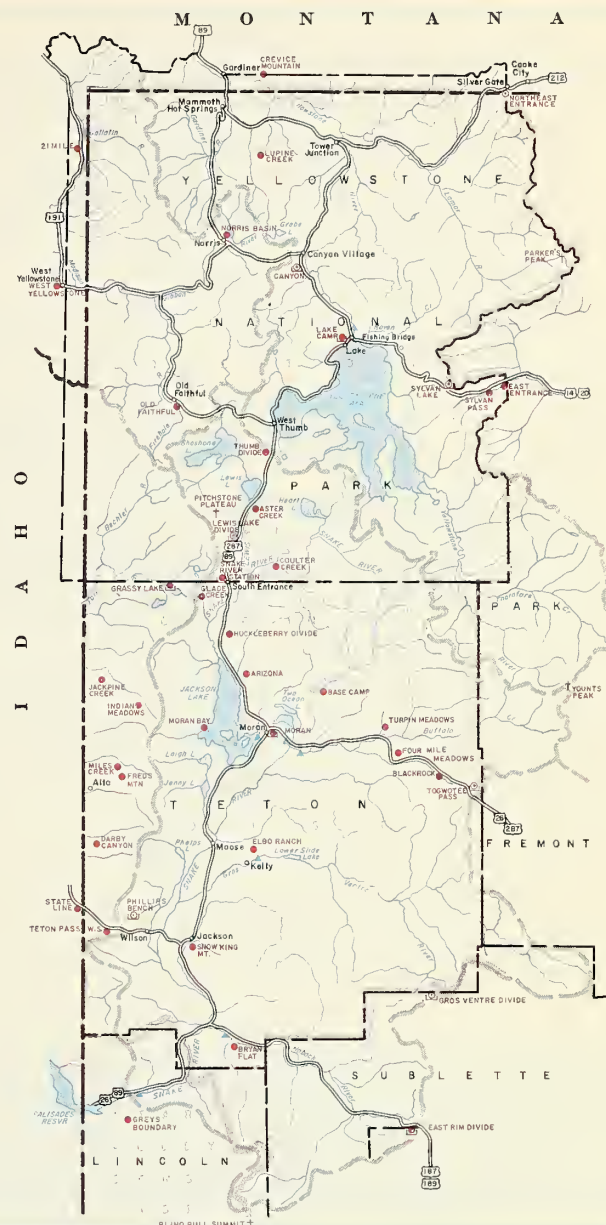
LOCATION MAP



LEGEND

- Snow Course
- ⊙ Snow Sensor
- ⊕ Aerial Marker (A)
- ⊔ Storage Precipitation Gage (P)
- ▲ Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary

10 0 10 20 MILES
SCALE 1:506,880



YOUR WATER SUPPLY

THE VERY LOW SPRING AND SUMMER WATER SUPPLY FORECASTS OF MARCH 1 ARE ESSENTIALLY UNCHANGED. STREAMFLOWS ARE EXPECTED TO RANGE FROM 19% OF NORMAL ON THE SALT RIVER TO 54% ON THE YELLOWSTONE RIVER. THE SMALL INCREASE IN SNOW-PACK HAS NOT BEEN SIGNIFICANT ENOUGH TO IMPROVE WATER SUPPLY FORECASTS APPRECIABLY. ALL RESERVOIRS ARE STORING NORMAL VOLUMES, HOWEVER, WITH PALISADES AT 97% OF THE MAXIMUM USABLE CAPACITY (147% OF NORMAL).

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year**	Average †
Yellowstone River at Yellowstone Lake Outlet	440	54	Apr-Sept	955	821
SNAKE River near Moran (1)	420	49	Apr-Sept	1047	858
SNAKE River above Palisades near Alpine (1)	1200	46	Apr-Sept	3237	2621
SNAKE River at Heise (2)	1750	44	Apr-Sept	4951	3946
Pacific Creek at Moran	66	39	Apr-Sept	--	169
Greys River above Palisades	78	20	Apr-Sept	477	388
Salt River above Palisades near Etna	70	19	Apr-Sept	516	365
Palisades Reservoir Inflow	1620	44	Apr-Sept	4589	3684
Swift Creek near Afton	- Not Forecasted -		May-Sept	--	45

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Madison (Wyo.)	4	33	46
Yellowstone (Wyo.)	7	37	48
SNAKE abv. Jackson Lake	10	30	42
Pacific Creek	2	28	40
Buffalo Creek	5	39	52
Gros Ventre River	3	37	47
Hoback River	5	28	38
Greys River	3	30	39
Salt River	5	34	53

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Grassy Lake	15.1	10.8	10.9	10.5
Jackson Lake	847.0	615.8	638.3	517.0
Palisades	1200.0	1165.8	572.4	794.4

+ 1958-1972 period.

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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIGHORN BASIN IN WYOMING

as of APRIL 1, 1977

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
WATER SUPPLY OUTLOOK



YOUR WATER SUPPLY

50-60% OF NORMAL IS FORECAST FOR MOST OF THE BASIN SUMMER STREAMFLOWS. GREYBULL RIVER IS HIGHEST WITH 96% OF THE NORMAL FLOW EXPECTED. MOUNTAIN SNOWPACK RANGES FROM 56% IN THE SHOSHONE AND CLARKS FORK TO 130% OF APRIL 1 NORMALS IN THE GREYBULL DRAINAGE. ALTHOUGH SOME SUMMER WATER SUPPLIES ARE EXPECTED TO BE BELOW NORMAL, RESERVOIR STORAGE IS GOOD.

This report prepared by
JAMES HAGLUND, JON WERNER and MARILYN STARKS
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
CASPER, WYOMING

Issued by
BLAINE HALLIDAY --- STATE CONSERVATIONIST
B. J. CONLIN --- AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
CASPER, WYOMING
WORLD, WYOMING

BIGHORN BASIN

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS			THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET		
	Thousand Acre Feet	Percent of Average		Last Year **	Average †	
Wind River below Boysen (1)	560	56	Apr-Sept	1100	1006	
Tensleep Creek near Tensleep	48	60	Apr-Sept	-	79	
Medicine Lodge Creek near Hyattville	12	57	Apr-Sept	-	21	
Shell Creek near Shell	65	89	Apr-Sept	85	73	
Greybull River at Meeteetse	200	96	Apr-Sept	220	209	
Shoshone River below Buffalo Bill Dam (2)	450	54	Apr-Sept	1037	827	
Clarks Fork near Belfry	360	59	Apr-Sept	-	607	

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal; minus return flow from Rivemile and Muddy Creeks.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Clarks Fork	4	42	56
Shoshone	4	48	56
Nowood	7	71	86
Shell	5	84	93
Greybull	2	105	130

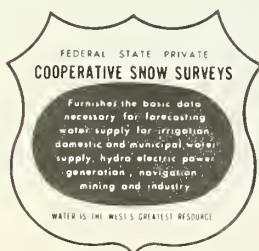
RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Boysen	549.9	307.3	225.8	230.3
Buffalo Bill	373.1	175.2	175.8	135.0
Bighorn	613.7	848.0	784.4	796.2
Upper Sunshine	53.0	43.1	49.0	-
Lower Sunshine	58.9	43.0	23.0	-

+ 1958-1972 period.

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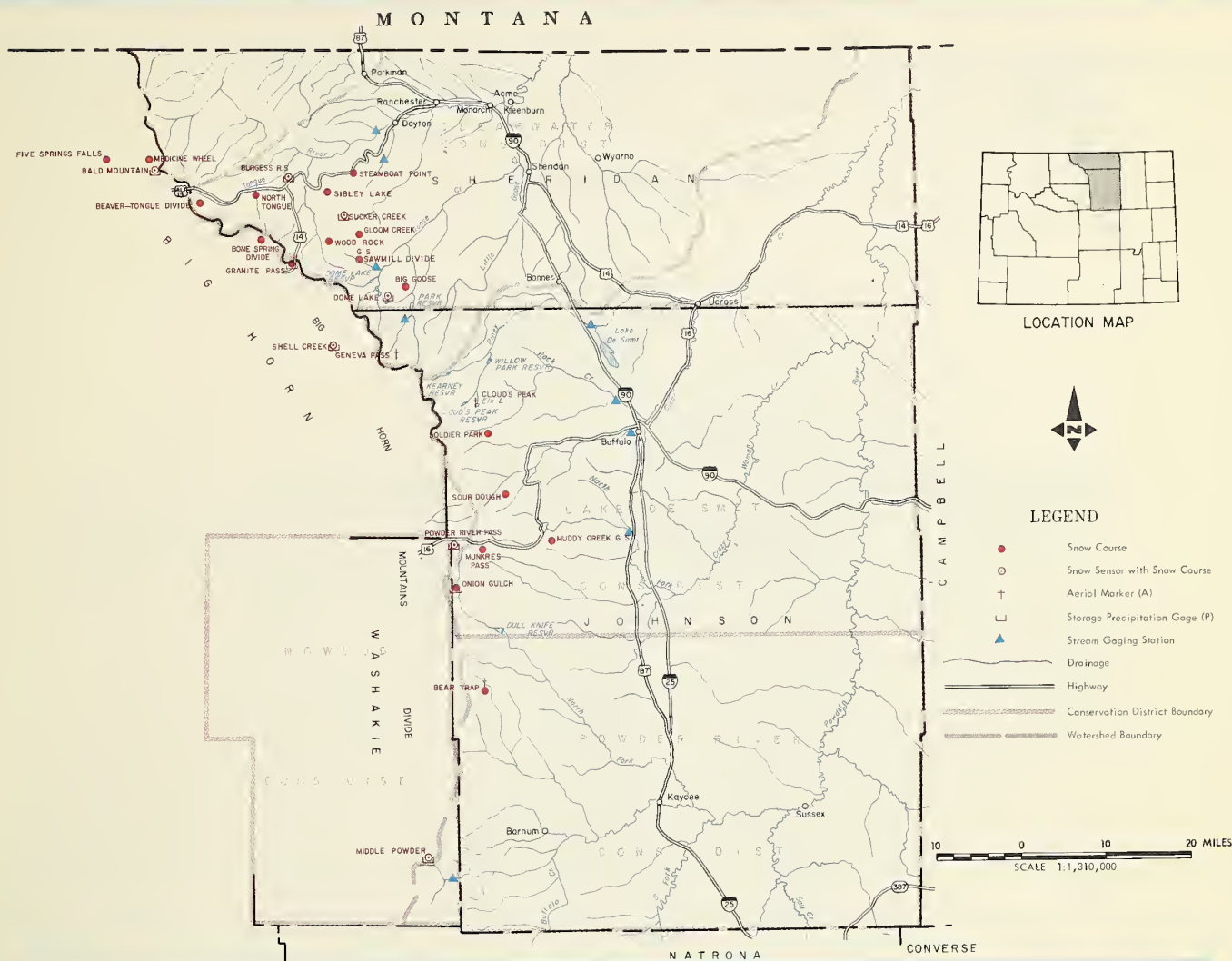
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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE POWDER AND TONGUE WATERSHEDS IN WYOMING

as of APRIL 1, 1977

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE



YOUR WATER SUPPLY

HEAVY SNOWFALLS HAVE INCREASED POTENTIAL SPRING AND SUMMER WATER SUPPLIES TO 119% AND 95% OF NORMAL ON THE TONGUE AND POWDER RIVERS, RESPECTIVELY. SNOWPACK IS LOWEST IN THE GOOSE CREEK DRAINAGE, ABOUT 70%, AND HIGH IN THE TONGUE WATERSHED AT ABOUT 120% OF NORMAL APRIL 1 FIGURES.

This report prepared by

JAMES HAGLUND, JON WERNER and MARILYN STARKS
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
CASPER, WYOMING

Issued by

BLAINE HALLIDAY --- STATE CONSERVATIONIST
D. J. FEELEY --- AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
CASPER, WYOMING
SHERIDAN, WYOMING

STREAMFLOW FORECASTS

Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.
* Less than 15 years of record.

(COMPARISON WITH PREVIOUS YEARS)

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average

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WATER SUPPLY OUTLOOK

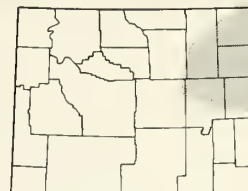
FOR THE CONSERVATION DISTRICTS IN THE BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS IN WYOMING AND SOUTH DAKOTA

LEGEND

- Snow Course
- Snow Sensor
- † Aerial Marker (A)
- ⊥ Storage Precipitation Gage (P)
- ▲ Stream Gaging Station
- Drainage
- == Highway
- - - Conservation District Boundary
- Watershed Boundary

APRIL 1, 1977

10 0 10 20 30 40 MILES
SCALE 1:1,000,000



LOCATION MAP



YOUR WATER SUPPLY

THE BELLE FOURCHE AND CHEYENNE RIVER WATERSHED'S POTENTIAL EXCELLENT SUMMER WATER SUPPLY REMAINS THE HIGHEST IN THE STATE. SNOWPACK IS 91% ABOVE THE NORMAL APRIL 1 WATER CONTENT. RESERVOIR STORAGE IS ABOVE NORMAL EXCEPT FOR BELLE FOURCHE AND ANGOSTURA.

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<i>- No forecasts for this area -</i>					

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Belle Fourche	3	259	191

RESERVOIR STORAGE (Thousand Ac. Ft.)

END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Keyhole	190.4	126.3	130.2	80.1
Belle Fourche	185.2	86.3	119.7	117.1
Angostura	86.2	45.3	50.2	62.6
Deerfield	15.1	15.1	15.1	11.5
Pactola	55.0	53.5	49.4	39.2
Shadehill	81.5	63.9	65.7	63.1

+ 1958-1972 period.

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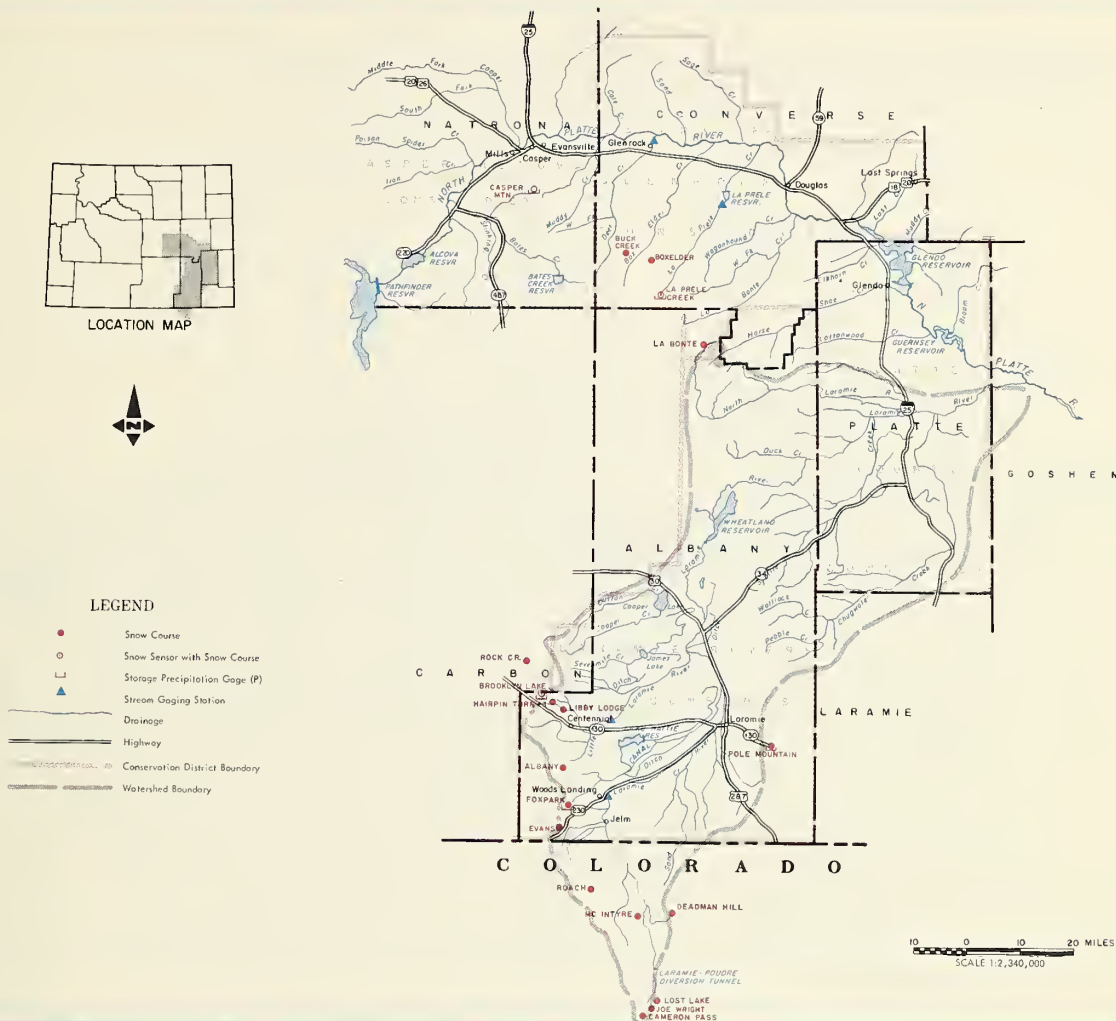
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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING

as of
APRIL 1, 1977

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
NORTH PLATTE, WYOMING



YOUR WATER SUPPLY

HEAVY MARCH SNOWFALLS HAVE RAISED THE MOUNTAIN SNOWPACKS TO 52% IN THE LARAMIE RIVER DRAINAGE, AND 99% IN THE LOWER NORTH PLATTE. THE IMPROVED SUMMER WATER SUPPLY FORECASTS RANGE FROM ABOUT 50% ON THE UPPER PLATTE AND LARAMIE RIVER TO ABOUT 80% FOR DEER AND LAPRELE CREEKS. ALTHOUGH MOUNTAIN WATER SUPPLIES ARE STILL EXPECTED TO BE BELOW NORMAL, THE RESERVOIR STORAGE IS GOOD WITH ONLY GUERNSEY AND ALCOVA RESERVOIRS STORING BELOW THEIR NORMAL APRIL 1 VOLUMES.

This report prepared by

JAMES HAGLUND, JON WERNER and MARILYN STARKS
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
CASPER, WYOMING

Issued by

BLAINE HALLIDAY -- STATE CONSERVATIONIST
R.E. HEWARD -- AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
CASPER, WYOMING
TORRINGTON, WYOMING

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Sinclair	325	50	Apr-Sept	544	648
Deer Creek at Glenrock	22	85	Mar-July	36	26
LaPrele Creek near Douglas (Ab. Reservoir)	15	83	Mar-July	18.2	18
Laramie River & Pioneer Canal near Woods (1)	60	47	Apr-Sept	101	127
Little Laramie River near Filmore	27	43	Apr-Sept	54	62

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Laramie River	14	51	52
Lower North Platte	3	87	99

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	488.1	540.9	293.1
Pathfinder	1015.9	735.8	870.7	416.9
Alcova	30.7	2.8	2.5	11.5
Glendo	783.7	432.9	479.9	400.6*
Guernsey	45.2	8.6	10.8	25.4
Wheatland	98.9	36.3	-	45.9

*Less than 15 years

† 1958-1972 period

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"The Conservation of Water begins with the Snow Survey"



SUMMER WATER SUPPLY FORECASTS ARE UP OVER MARCH 1 PROJECTIONS BY AS MUCH AS 20%. HEAVY MARCH SNOWFALL HAS RAISED THE WATER SUPPLY TO APPROXIMATELY 50% IN THE UPPER NORTH PLATTE BASIN AND ABOUT 40% IN THE LITTLE SNAKE DRAINAGE. ALTHOUGH THE PROJECTED SUPPLY HAS BEEN IMPROVED, SUMMER STREAMFLOWS ARE STILL EXPECTED TO BE FAR BELOW NORMAL. SEMINOE RESERVOIR STORAGE IS WELL ABOVE AVERAGE.

JAMES HAGLUND, JON WERNER and MARILYN STARKS
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
CASPER, WYOMING

BLAINE HALLIDAY --- STATE CONSERVATIONIST
U. S. DEPARTMENT
CASPER, WYOMING

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UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Northgate	144	60	Apr-Sept	163	240
North Platte River near Sinclair	325	50	Apr-Sept	544	648
Encampment River near Encampment	56	40	Apr-Sept	142	141
Rock Creek near Arlington	29	53	Apr-Sept	50	55
Little Snake near Dixon	120	40	Apr-Sept	254	301
Little Snake near Slater, Colo.	55	38	Apr-Sept	-	145

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper North Platte	15	62	65
Encampment River	3	50	59
Brush Creek	3	78	77
Medicine Bow River and Rock Creek	2	64	66
Little Snake River	2	54	54

RESERVOIR STORAGE (Thousand Ac. Ft.)

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	488.1	540.9	293.1

† 1958-1972 period.

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

as of APRIL 1, 1977

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
WATER SUPPLY OUTLOOK



YOUR WATER SUPPLY

SUMMER STREAMFLOW FORECASTS FOR THE WIND RIVER HAVE IMPROVED SOME OVER THE MARCH 1 PROJECTIONS (50%) TO A HIGH OF 56%. BULL LAKE AND LITTLE POPO AGIE HAVE HAD GREATER INCREASES. BASIN SNOWPACKS HAVE INCREASED BY 12 TO 25% OF NORMAL, THOUGH NOT ENOUGH TO PREVENT BELOW NORMAL SUMMER WATER SUPPLIES. BOYSEN RESERVOIR IS STILL ABOVE NORMAL WHILE OTHERS IN THIS BASIN ARE AT ABOUT 70%.

This report prepared by

JAMES HAGLUND, JON WERNER and MARILYN STARKS
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
CASPER, WYOMING

Issued by

BLAINE HALLIDAY --- STATE CONSERVATIONIST
B.J. CONLIN --- AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
CASPER, WYOMING
WORLAND, WYOMING

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
BASIN, STREAM and/or FORECAST POINT					
Wind River near Dubois	53	52	Apr-Sept	146	102
Wind River at Riverton (1)	345	52	Apr-Sept	736	664
Wind River below Boysen (2)	560	56	Apr-Sept	1100	1006
Bull Lake Creek near Lenore (3)	132	72	Apr-Sept	178	182
Little Popo Agie near Lander	34	71	Apr-Sept	40	48

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Bousen Reservoirs; plus diversion to

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal minus return flow from Fivemile and Muddy Creeks.

(3) Observed flow plus change in storage in Bull Lake

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Wind River	8	29	40
Popo Agie	5	68	70
Sweetwater	3	53	59

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Bull Lake	151.8	54.0	67.1	75.2
Pilot Butte	31.6	15.1	19.6	22.1
Boysen	549.9	307.3	225.8	230.3

+ 1958-1972 period.

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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING

as of APRIL 1, 1977

U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE



YOUR WATER SUPPLY

THE WATER SUPPLY OUTLOOK REMAINS POOR FOR MOST WATER USERS WITHOUT ADEQUATE RESERVOIR STORAGE. WHILE SOME IMPROVEMENT WAS NOTED IN THE MOUNTAIN SNOWPACK, THIS CONTINUES TO BE THE LOWEST YEAR ON RECORD WITH MANY COURSES AT LESS THAN HALF THE PREVIOUS RECORD LOW. STREAMFLOW VOLUMES ARE EXPECTED TO BE 45-65% BELOW NORMAL.

This report prepared by
JAMES HAGLUND, JON WERNER and MARILYN STARKS
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
CASPER, WYOMING

Issued by
BLAINE HALLIOY --- STATE CONSERVATIONIST
B.J. HARRISON --- AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
CASPER, WYOMING
KEMMERER, WYOMING

UPPER GREEN RIVER BASIN IN WYOMING

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Green River at Warren Bridge	175	54	Apr-Sept	347	327
Green River near LaBarge	355	38	Apr-Sept	1124	931
Green River near Green River (1)	370	37	Apr-Sept	1222	989
Flaming Gorge Inflow	375	32	Apr-July	1329	1174
LaBarge Creek at LaBarge Meadows	3.1	34	Apr-Sept	9.5	9.0
Big Sandy River near Big Sandy	32	56	Apr-Sept	62	57

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Green, East Side	8	37	43
Upper Green, West Side	8	29	36
Big Sandy	2	42	47

RESERVOIR STORAGE (Thousand Ac. Ft.)

END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Eden	11.8	6.2	3.3	2.8*
Big Sandy	38.3	20.1	25.5	16.5
Fontenelle	344.8	182.3	168.3	-
Flaming Gorge	3749.0	2522.9	3332.3	1588.0

*Less than 15 years

† 1958-1972 period.

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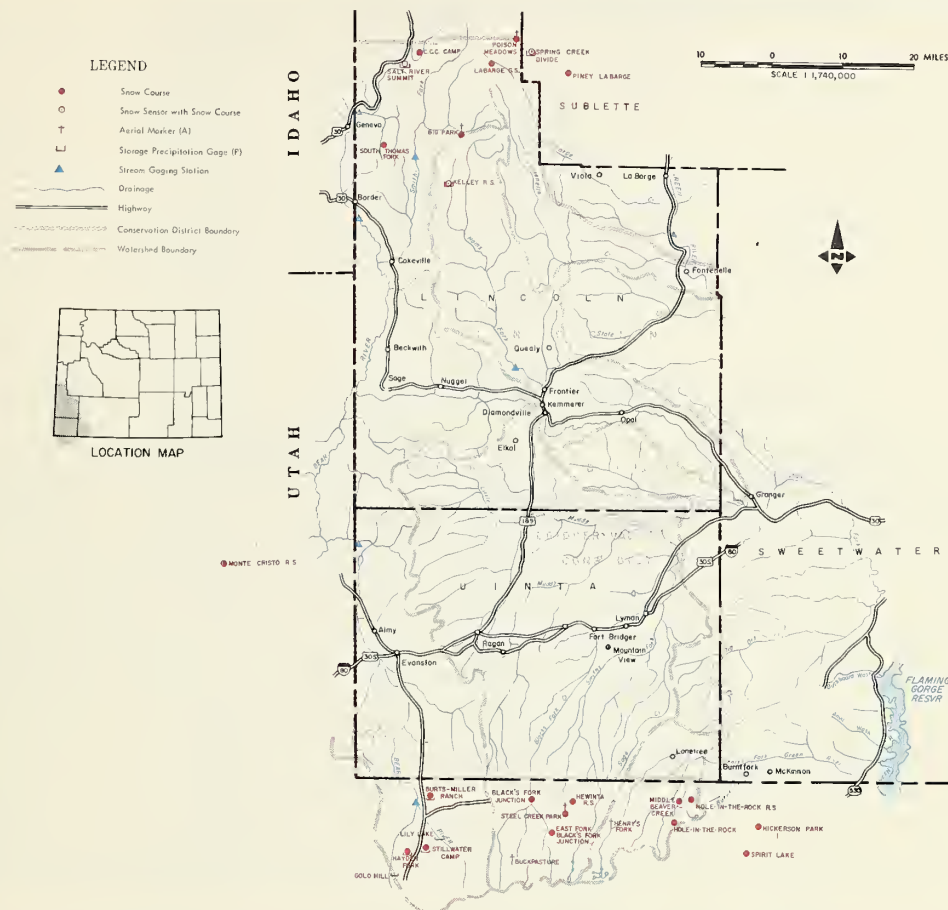
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

as of
APRIL 1, 1977

U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE



YOUR WATER SUPPLY

THE WATER SUPPLY OUTLOOK FOR THE LOWER GREEN AND BEAR WATERSHEDS IS EXPECTED TO BE ONE OF THE WORST ON RECORD. MARCH STORMS IMPROVED THE MOUNTAIN SNOWPACK - PARTICULARLY IN THE UINTAS, BUT CONDITIONS ARE STILL MUCH BELOW NORMAL AND MOST STREAMFLOW VOLUMES ARE EXPECTED TO BE LESS THAN 40 PERCENT OF NORMAL.

This report prepared by

JAMES HAGLUND, JON WERNER and MARILYN STARKS
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
CASPER, WYOMING

Issued by

BLAINE HALLIDAY --- STATE CONSERVATIONIST
B. J. HARRISON --- AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
CASPER, WYOMING
KEMMERER, WYOMING

LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
LaBarge Creek at LaBarge Meadows	3.1	34	Apr-Sept	9.5	9.0
Green River near Green River (1)	370	37	Apr-Sept	1222	989
Hams Fork below Pole Creek, near Frontier	20	29	Apr-July	74	66
Blacks Fork near Millburne	43	46	Apr-July	71	94
Flaming Gorge Inflow	375	32	Apr-July	1329	1174
Smiths Fork near Border	35	30	Apr-Sept	135	116
Thomas Fork near State Line	6	19	Apr-Sept	40	32
Bear River at Utah-Wyoming State Line	45	40	Apr-July	-	112

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Bear River	4	56	54
Thomas and Smiths Fork	4	35	39
Blacks Fork	3	72	67
Henry's Fork	2	67	66
Green above Flaming Gorge	16	32	38

RESERVOIR STORAGE (Thousand Ac. Ft.)

END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Fontenelle	344.8	182.3	168.3	-
Flaming Gorge	3749.0	2522.9	3332.3	1588.0
Viva Naughton	42.4	30.2	25.3	29.1*

*Data furnished by Utah Power & Light, average for 1963-76 period.

+ 1958-1972 period.

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BASIC DATA SUPPLEMENT 1

SNOW

Snow Course	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave.†
Afton R.S.	3/31	0	0.0	7.2	1.0 c
Albany	3/28	25	7.4	14.8	14.9
Arizona	3/30	30	6.9	26.7	19.4
Arrastre Lake Pillow	3/30	-	19.2	28.1	-
Aster Creek	3/29	46	10.5	40.3	31.0
Bald Mountain	- Delayed	-	-	25.4	23.9
Bald Mountain Pillow	- Delayed	-	-	-	-
Base Camp	3/30	32	7.5	28.7	20.1
Battle Mountain	3/29	21	5.2	10.4	-
Bearlodge Divide	3/31	35	7.2	0.0	3.2 a
Bear Trap Aerial	4/02	50	11.0	11.3	9.8
Beaver-Tongue Divide	- Delayed	-	-	24.0	21.8
Big Goose	- Delayed	-	-	10.8	8.4
Big Park	4/01	36	8.5	22.8	21.2
Big Sandy Opening	4/01	33	6.0	17.0	15.0 a
Big Sandy Opening Pillow	- No Report	-	-	16.5	-
Big Warm Springs	3/30	10	1.6	8.1	7.0 b
Blackrock	3/31	49	12.2	28.6	22.3
Black's Fork G.S.	4/04	28	6.4	8.0	9.4 a
Black's Fork Junction	4/04	28	6.4	8.4	9.3 a
Blind Bull Summit Aerial	4/02	32	9.3	38.2	28.2
Blind Bull Summit Pillow	- No Report	-	-	-	-
Blue Ridge	3/29	38	9.0	12.4	12.4
Bone Spring Divide	- Delayed	-	-	20.8	18.7
Bottle Creek	3/31	28	8.9	18.5	13.5 c
Boxelder	3/31	29	7.7	9.5	8.0
Brooklyn Lake	3/28	40	11.6	22.1	23.5
Brooklyn Lake Pillow	3/28	-	11.6	-	-
Bryan Flat	3/30	13	3.5	15.1	9.1
Buck Creek	4/01	47	11.8	19.4	-
Burgess Ranger Station	- Delayed	-	-	10.4	9.0
Burgess Ranger Sta. Pillow	- Delayed	-	-	-	-
Burroughs Creek	3/29	23	4.1	20.6	13.4
Burroughs Creek Pillow	3/29	-	6.1	-	-
Burts-Miller Ranch	4/04	13	4.1	5.6	5.9
Butter Hill	4/01	28	7.6	16.5	-
Cameron Pass	3/31	45	17.6	33.8	28.7
Canyon	4/01	32	7.2	21.7	16.5
Canyon Pillow	- No Report	-	-	-	-
Carter Mountain	3/30	27	8.1	7.1	4.9
Casper Mountain	3/30	77	14.5	12.8	15.0
Casper Mountain Pillow	3/30	-	13.1	17.5	-
Castle Creek	3/29	11	1.6	7.5	-
CCC Camp	3/30	29	7.2	16.4	12.2
Chambers Lake	3/30	7	2.1	9.9	9.6
Cloud's Peak Aerial	4/02	66	13.2	14.8	13.0
Cold Springs Camp	4/02	43	7.4	12.3	10.1 c
Columbine Lodge	3/31	45	15.0	20.3	24.0
Cooke Station	3/31	46	12.4	27.4	20.5
Cottonwood Lake Aerial	4/02	38	8.7	25.9	16.8
Cottonwood Lake Pillow	- No Report	-	-	-	-
Coulter Creek	3/31	40	11.4	34.2	22.2
Crevice Mountain	3/30	34	8.0	14.1	10.8
Darby Canyon	3/31	52	13.1	31.2	-
Deadman Hill	3/29	31	7.2	15.3	16.8
Deep Creek	3/29	31	7.9	14.6	-
Deep Lake	3/29	86	28.0	42.8	-
Dinwoody	3/31	26	5.0	15.5	12.1 b
Dinwoody Pillow	- No Report	-	-	-	-
Dome Lake	- Delayed	-	-	13.6	10.6 b
Dome Lake Pillow	- Delayed	-	-	-	-
DuNoir	3/30	16	2.6	10.8	8.1
East Entrance	3/30	21	4.8	16.0	8.9
East Rim Divide	3/30	26	6.0	18.2	13.5 c
Elbo Ranch	- Delayed	-	-	15.7	-
Elkhart Park G.S.	4/01	35	6.9	17.0	15.3 b
Elkhorn	4/01	49	13.3	24.9	-

SNOW

Snow Course	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave.†
Elk River	3/29	36	9.4	15.4	17.8
Evans	3/31	23	6.5	11.4	11.9 a
Fisher Creek	3/31	77	22.8	49.2	38.5
Fisher Creek Pillow	3/31	-	23.3	45.4	35.0
Five Springs Falls	3/31	42	11.4	8.0	7.9
Four Mile Meadows	3/31	35	7.4	17.1	13.6
Foxpark	3/31	14	3.7	3.7	7.0
Fred's Mountain	3/31	57	13.6	33.8	-
Geneva Pass Aerial	4/02	78	14.0	19.1	17.3
Geyser Creek	3/30	13	2.2	11.0	7.0
Glade Creek	3/29	40	11.1	34.8	22.2
Granite Pass	- Delayed	-	-	18.7	17.2
Grammier Meadows	3/29	38	9.2	15.6	14.2
Grassy Lake	3/29	62	18.1	50.3	35.0
Greys Boundary	3/30	23	6.6	17.4	10.9
Gros Ventre Summit	3/30	28	5.8	14.6	12.9
Gros Ventre Summit Pillow	3/30	-	7.5	15.8	-
Grover Park Divide	3/30	31	7.3	18.6	12.8
Hairpin Turn	3/28	29	7.3	16.0	16.5 c
Haskins Creek	3/30	56	15.4	26.8	-
Hayden Fork	4/04	35	9.9	15.7	16.2
Hewinta Guard Station	4/04	27	6.7	8.6	9.9
Hickerson Park	4/04	21	4.7	7.3	6.3 a
Hobbs Park	3/31	42	8.3	14.7	13.9 b
Hobbs Park Pillow	- No Report	-	-	-	-
Huckleberry Divide	3/30	38	9.6	29.4	21.6 b
Indian Meadows	3/31	62	16.8	48.1	-
Jackpine Creek	3/31	39	10.7	30.6	-
Joe Wright	3/31	52	16.8	23.4	25.3 a
Kelley Ranger Station	4/01	35	7.7	20.4	18.0 b
Kelley Ranger Sta. Pillow	4/01	-	5.7	-	-
Kendall Ranger Station	3/30	22	4.8	14.9	13.0
LaBonte	3/25	19	5.5	9.5	5.0
Lake Camp	3/31	22	4.8	12.7	9.9
LaPrele Creek Pillow	3/31	-	10.7	13.2	-
Larsen Creek	4/04	26	5.7	14.9	11.9 b
Lewis Lake Divide	3/29	57	15.8	58.1	42.1
Lewis Lake Divide Pillow	- No Report	-	-	-	-
Libby Lodge	3/28	21	5.7	12.2	11.6 c
Little Warm	3/30	35	7.7	21.7	16.4
Little Warm Pillow	- No Report	-	-	-	-
Loomis Park	3/30	33	6.9	22.6	18.9 c
Lost Lake	3/30	20	3.8	11.9	11.8
Lupine Creek	4/05	23	5.4	14.5	10.3
Mallo Pillow	4/05	42	13.5	-	-
Marquette Creek	3/31	38	12.0	9.9	-
McIntyre	3/29	22	5.6	11.3	10.8
Medicine Lodge Lakes	4/02	42	6.9	15.3	12.2
Medicine Wheel	- Delayed	-	-	19.0	18.4
Middle Fork	3/29	40	9.8	6.4	-
Middle Powder	4/02	81	19.0	11.8	12.6 a
Middle Powder Pillow	4/02	-	18.2	12.8	-
Miles Creek	3/31	36	9.7	17.0	-
Monte Cristo	3/31	41	11.2	24.7	26.0
Moran	3/30	25	5.6	18.5	12.6
Moran Bay	3/30	37	9.5	31.9	21.9 c
Moss Lake	3/29	57	17.2	25.2	-
Mount Tom Pillow	- No Report	-	-	-	-
Muddy Creek Guard Station	4/01	26	4.5	6.1	3.8
Munkres Pass	4/02	43	7.7	13.0	9.9
New Fork Lake	3/30	31	5.3	13.7	12.2 a
Norris Basin	4/05	26	6.1	15.4	11.0
North Barrett Creek	3/30	59	18.0	21.2	21.6 c
Northeast Entrance	3/30	26	5.4	15.2	9.5
Northeast Entrance Pillow	3/30	-	5.3	13.5	9.3
North French Creek	3/30	75	24.8	35.2	35.8 b
North French Creek Pillow	3/30	-	18.1	25.5	-

BASIC DATA SUPPLEMENT 1

SNOW

Snow Course	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches) Last Yr. Ave†	
Northgate	3/31	15	3.5	5.6	6.5
North Tongue	- Delayed	-	16.0	13.5	a
Old Battle	3/31	58	18.1	35.9	33.0 c
Old Battle Pillow	- No Report	-	-	-	-
Old Faithful	3/31	25	5.2	22.0	-
Onion Gulch	4/02	41	8.6	12.5	9.5
Owl Creek	3/27	31	4.3	4.5	6.2 c
Parker's Peak Aerial	- Delayed	-	43.4	-	-
Park View	3/30	23	5.9	9.7	9.2
Phillips Bench	3/30	52	15.6	36.0	-
Phillips Bench Pillow	3/30	-	10.5	37.3	-
Piney LaBarge	3/29	34	8.9	27.6	23.8 c
Pitchstone Plateau Aerial	- Delayed	-	80.2	-	-
Pocket Creek	4/02	35	7.1	14.4	12.8 b
Poison Meadows	3/29	45	11.7	36.0	30.8
Pole Mountain	3/31	15	4.0	8.2	5.9
Powder River Pass	4/01	48	10.1	16.1	13.2
Powder River Pass Pillow	4/01	-	11.7	-	-
Purgatory Gulch	3/31	23	6.0	14.4	-
Rabbit Ears	3/31	47	13.9	19.4	25.9
Ranger Creek	3/31	30	5.8	10.6	10.2 c
Reuter Canyon	4/01	57	17.2	6.9	9.8 a
Roach	3/29	39	10.5	21.5	18.2
Rock Creek	3/29	71	21.7	30.1	27.2 a
Rowdy Creek	3/30	33	8.2	29.4	-
Ryan Park	3/30	36	10.4	11.6	11.7
Salt River Summit	3/31	33	7.9	22.4	16.2
Salt River Summit Pillow	3/31	-	6.8	20.1	-
Sandstone Ranger Station	3/29	30	7.2	12.6	-
Sawmill Divide	- Delayed	-	16.6	-	-
Sawmill Glade	3/29	35	8.8	8.4	8.9
Shell Creek	4/02	54	8.1	19.6	14.8
Shell Creek Pillow	- No Report	-	-	-	-
Sheridan Ranger Station	3/31	13	2.4	10.4	6.9 b
Sibley Lake	- Delayed	-	13.5	11.8	-
Snake River Station	3/29	37	9.2	29.9	21.0
Snider Basin R.S.	3/29	24	5.7	20.8	16.6
Snow King Mountain	3/30	26	5.3	21.2	15.6 a
Soda Lake	3/31	22	4.9	24.0	18.5
Soldier Park	4/01	32	5.6	9.1	6.6
Sour Dough	4/01	34	6.0	10.8	7.2 b
South Brush Creek Pillow	- No Report	-	13.7	-	-
South Pass	3/29	39	9.0	14.8	14.6
South Thomas Fork	3/31	25	5.0	18.3	-
Spirit Lake	4/04	32	7.9	11.4	12.7 a
Spring Creek Divide Pillow	4/01	-	7.2	-	-
State Line	3/31	31	7.0	20.3	14.9
Steamboat Point	- Delayed	-	11.0	9.2	-
Steel Creek Park	4/04	44	10.1	16.1	15.8
Stillwater Camp	4/04	27	6.9	10.9	11.3
St. Lawrence R.S.	3/31	23	4.9	8.4	7.0 b
St. Lawrence R.S. Pillow	- No Report	-	-	-	-
Sucker Creek	- Delayed	-	14.0	14.2	-
Sucker Creek Pillow	- Delayed	-	-	-	-
Sweetwater Mountain Pillow	4/03	-	11.2	-	-
Sylvan Lake Pillow	4/03	-	12.8	-	-
Sylvan Pass	3/30	26	6.7	13.4	21.6 b
T-Cross Ranch	3/29	4	0.8	10.9	5.8
Teton Pass W.S.	3/30	46	13.1	35.7	-
Thumb Divide	3/29	32	6.8	24.8	22.2
Timber Creek	3/27	19	2.8	3.3	3.5 c
Togwotee Pass	3/31	58	16.4	38.8	30.6
Togwotee Pass Pillow	3/31	-	12.8	-	-
Townsend Creek	3/28	30	6.8	6.2	-
Trial Lake	4/05	35	9.3	23.0	23.9
Triple Peaks	3/31	33	9.3	34.4	27.6

SNOW

Snow Course	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches) Last Yr. Ave†	
Turpin Meadows	3/31	24	4.9	15.9	10.3
Twenty-One Mile	3/30	31	7.8	24.8	17.9
Two Ocean Plateau Aerial	- Delayed	-	41.0	-	-
Tyrell Ranger Station	4/02	38	7.2	12.8	9.2
Upper Spearfish	4/01	51	14.4	8.1	7.3
Warren Peak	4/01	61	15.2	7.9	- a
Webber Spring	3/31	42	12.4	24.8	19.8 c
Webber Spring Pillow	3/31	-	11.2	30.9	-
West Tensleep Lake	4/02	45	8.6	14.6	11.9
West Yellowstone	3/31	20	5.0	17.7	11.4
Whiskey Creek	4/01	52	15.5	28.6	-
White Mill	3/31	58	15.8	36.2	27.7
White Mill Pillow	3/31	-	15.6	31.9	-
Willow Creek Pass	3/30	27	7.2	12.2	12.7
Wolverine	3/30	26	5.8	18.6	14.7
Wood Rock Guard Station	- Delayed	-	13.1	11.4	-
Young's Ranch Aerial	4/02	28	6.7	25.2	-
Younts Peak Aerial	- Delayed	-	26.6	-	-

a Less than 15 years

b 1958-72 adjusted average

c Partly estimated

BASIC DATA SUPPLEMENT 2

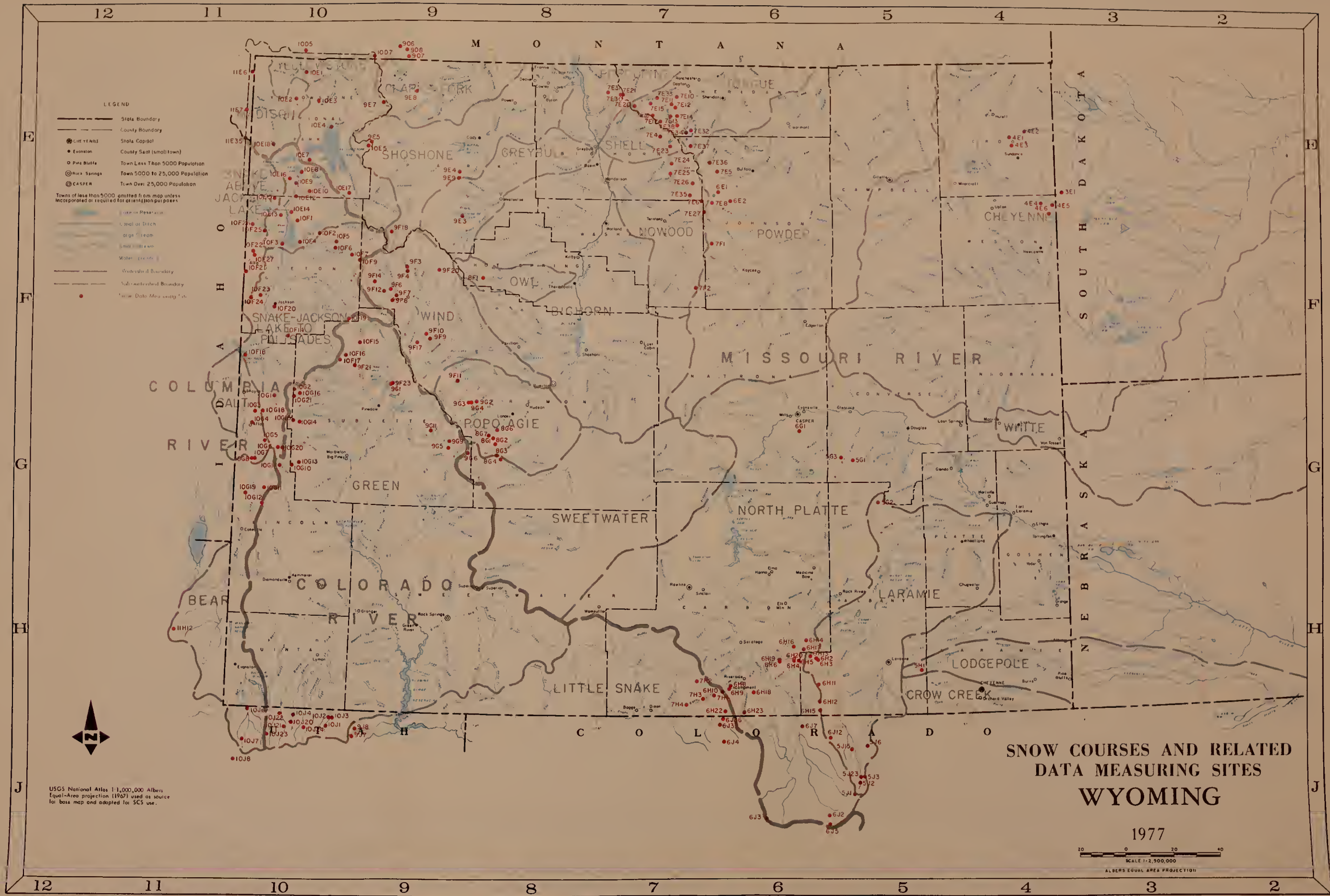
PRECIPITATION (Inches)

FOR MONTH OF MARCH

PRECIPITATION (Inches)		FOR MONTH OF MARCH		CURRENT INFORMATION		PAST RECORD	
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION		ELEVATION	Date of Reading	Precipitation	Last Year	Average †	
UPPER YELLOWSTONE							
Lake Camp		7780	3/31	0.95	1.36	1.40	
LOWER YELLOWSTONE							
Bald Mountain		9375	- Delayed	Report -	3.60		
Burgess R.S.		7880	- Delayed	Report -	-		
Burroughs Creek		8750	3/29	2.00	-		
Carter Mountain		7950	3/30	3.80	1.70		
Dome Lake		8850	- Delayed	Report -	4.60		
Granite Pass		9100	- Delayed	Report -	3.85		
Louis Lake		8500	- No Report	-	2.75	2.17*	
Middle Powder		7800	4/02	5.50	2.00		
Onion Gulch		8780	4/02	3.40	2.85		
Powder River Pass		9475	4/01	4.10	3.25	1.86*	
Sylvan Lake		8420	4/03	4.62	-		
Timber Creek		7950	3/27	2.20	1.75		
Togwotee Pass		9600	3/31	4.20	5.50	4.02*	
NORTH PLATTE							
Arrastre Lake		10275	3/30	8.13	3.62		
Brooklyn Lake		10220	3/28	4.19	2.64	3.42*	
Casper Mountain		7850	3/30	4.06	1.78	3.29*	
North French Creek		10130	3/30	7.00	2.81	4.01*	
Old Battle		9900	3/31	6.25	2.56	4.60*	
Pole Mountain		8360	3/31	1.50	0.50	1.63*	
Rock Creek		10100	3/29	5.40	3.96		
South Brush Creek		8440	- No Report	-	2.64		
Webber Spring		9240	3/31	5.31	4.32		
GREEN RIVER							
Battle Mountain		7440	3/29	1.50	2.64		
Big Sandy Opening		9100	- No Report	-	3.00	1.76*	
East Rim Divide		7950	3/30	1.50	3.10	1.76*	
Elkhart Park G.S.		9400	- No Report	-	2.80	1.99*	
Gros Ventre		8775	3/30	2.75	-		
Haskins Creek		8800	3/30	5.63	4.95		
Sandstone R.S.		8140	3/29	1.96	3.38		
Snider Basin		8060	3/29	1.60	5.05	1.93*	
Spring Creek Divide		9000	4/01	2.74	-		
SNAKE RIVER							
Grassy Lake		7265	3/29	5.05	7.75	5.47*	
Grover Park Divide		7000	3/30	3.95	5.40		
Lewis Lake Divide		7860	3/29	5.20	10.35	6.17*	
Moran (NWS)		6500	3/30	1.67	2.67	3.07	
Phillips Bench		8200	3/30	3.75	7.00		
Salt River Summit		7600	3/31	3.00	5.06	2.41*	
Snake River Station (NWS)		6920	3/29	2.54	3.96	2.44*	
BEAR RIVER							
Kelley R.S.		8180	4/01	3.00	5.30	2.60*	
BELLE FOURCHE							
Bearlodge Divide		4680	4/01	3.04	1.00	1.35	
Sweetwater Mountain		5860	4/03	2.25	-		
Warren Peak		6520	4/01	1.75	0.97	0.94*	
(NWS) National Weather Service gage							
* Less than 15 years in 1958-72 period.							

(NWS) National Weather Service gage

* Less than 15 years in 1958-72 period.



INDEX TO WYOMING SNOW COURSES

ORAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV. F.T.	SEC. LAT.	LOCATION TRP.	RANGE LONG.	RECORD BEGAN	MEAS. ^a DATES	MEAS. ^b BY	ORAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV. F.T.	SEC. LAT.	LOCATION TRP.	RANGE LONG.	RECORD BEGAN	MEAS. ^a DATES	MEAS. ^b BY	ORAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV. F.T.	SEC. LAT.	LOCATION TRP.	RANGE LONG.	RECORD BEGAN	MEAS. ^a DATES	MEAS. ^b BY
MISSOURI RIVER DRAINAGE									MISSOURI RIVER DRAINAGE (cont.)									COLORADO RIVER DRAINAGE (cont.)								
Modison River									Powder River									Green River below Green River (cont.)								
Black Bear m	11E35	7950	27	15S	5E	1972	1,2,3,4,5,6	1,4	Bear Trap	7F1A	7900	3	45N	85W	1960	2,3,4	1	Nickerson Park u	9J8	9100	24	2N	17E	1961	3,4,5,6	1
Norria Basin	10E2	7500	44°45'		110°42'	1936	1,2,3,4,5	2	Clouda Peak	7E36A	9850	44°24'		107°05'	1960	2,3,4	1	Nole-in-the-rock u	10J1	9150	13	2N	15E	1931	4	1
Old Faithful	10E18	7400	44°27'		110°49'	1975	1,2,3,4,5	2	Niddle Powder	7F2*	7760	9	42N	86W	1960	2,3,4,5	1	Nole-in-the-rock GS u	10J3	8300	32	3N	16E	1954	4	1
21 Mile m	11E6	7150	1	11S	5E	1937	1,2,3,4,5	7	Muddy Creek G.S.	6E2	7820	1	48N	84W	1956	2,3,4,5	1	Kelley R.S.	10G12*	8180	1	26N	118W	1951	2,3,4,5	1
West Yellowstone m	11E7	6700	34	13S	5E	1934	1,2,3,4,5	7	Munkrea Pass	7E8	9400	10	48N	85W	1950	2,3,4,5	1	Niddle Beaver Creek u	10J2	8550	31	3N	16E	1954	4	1
Yellowstone									Sweetwater									Little Snake River								
Canyon	10E3*	7940	44°44'		110°30'	1938	1,2,3,4,5	1	Onion Gulch	7E27P	8780	31	48N	85W	1956	2,3,4,5	1	Old Battle	6N10*	9920	29	14N	85W	1936	2,3,4,5,6	1,6
Crevice Mountain m	10D5	8400	22	9S	9E	1935	3,4	4	Powder River Pass	7E6*	9480	6	48N	85W	1967	2,3,4,5	1	Steel Creek Park u	10J20A	9900	17	2N	13E	1962	3,4,5	1
East Entrance	9E5	6960	44°29'		110°00'	1948	1,2,3,4,5	2	Soldier Park	7E5	8780	44°21'		107°02'	1950	2,3,4,5	1	Spirit Lake u	9J7	10300	10	1N	17E	1961	3,4,5,6	1
Lake Comp	10E4P	7780	44°33'		110°24'	1937	1,2,3,4,5	1	Sour Dough	6E1	8460	44°13'		107°00'	1936	2,3,4,5	1	Trial Lake u	10J8P	9800	5	2S	9E	1931	1,2,3,4,5,6	1
Lupine Creek	10E1	7380	44°55'		110°37'	1938	1,2,3,4,5	2	Green River below Green River									Teton River								
Northeast Entrance m	10D7P	7400	33	9S	14E	1937	1,2,3,4,5	2	Grannier Meadows	8G4	8860	19	30N	100W	1937	2,3,4,5	1	Big Park	10G11	8620	7	27N	117W	1951	2,3,4,5	1
Parker's Peak	9E7A	9400	44°44'		109°55'	1965	2,3,4	1	Larsen Creek	9G6	9020	42°36'		109°05'	1949	2,3,4,5	1	CCC Camp	10G7	7000	42°31'		110°53'	1936	2,3,4,5	1
Pitchatone Plateau	10E16A	8520	44°14'		110°44'	1965	2,3,4	1	South Pass	8G3	9040	13	30N	101W	1940	2,3,4,5	1	Burta-Nillier Ranch u	10J6	7900	19	3N	10E	1937	4,5,6	1
Thumb Divide	10E7	7980	44°22'		110°34'	1946	2,3,4	5	Cheyenne River									Bear River								
Twn Ocean Plateau	10E17A	9160	44°09'		110°12'	1965	2,3,4	1	Brooklyn Lake	6N13*	10220	14	16N	79W	1936	2,3,4,5	1	Hayden Fork u	10J7	9400	25	1N	9E	1951	4,5	1
Sylvan Pass	10E5*	7100	44°29'		110°02'	1936	1,2,3,4,5	2	Cameron Pass c	5J1	10285	2	6N	76W	1936	2,3,4,5	1	Kelley R.S.	10G12*	8180	1	26N	118W	1951	2,3,4,5	1
Clark's Fork									Laramie River									Snake River below Snake River								
Cooke Station m	9D7	8150	19	9S	15E	1966	1,2,3,4,5,6	1,2	Deadman Hill c	5J6*	10200	26	10N	75W	1937	2,3,4,5	1	LaBarge G.S.	10G17	9000	42°32'		110°40'	1967	2,3,4,5	1
Fisher Creek m	9D6	8199	11	9S	14E	1966	1,2,3,4,5,6	1,2	Evans	6N15	9080	4	12N	78W	1960	2,3,4,5	1	Monte Cristo R.S. u	11H12	8960	4	8N	4E	1930	2,3,4,5,6	1
Parker's Peak	9E7A	9400	44°44'		109°55'	1965	2,3,4	1	Foxpark	6N12	9060	21	13N	78W	1936	2,3,4,5	1	Poison Meadows	10G6	8500	42°33'		110°41'	1948	2,3,4,5	1
White Hill m	9D8	8700	18	9S	15E	1967	1,2,3,4,5,6	1,2	Nairpin Turn	6N2	9460	19	16N	78W	1936	2,3,4,5	1	Salt River Summit	10G8*	7700	42°31'		110°54'	1948	1,2,3,4,5	1
Wolverine	9E8	7650	44°48'		109°39'	1970	2,3,4,5	1	Libby Lodge	6N3	8750	29	16N	78W	1936	2,3,4,5	1	South Thomas Fork	10G19	7840	27	27N	119W	1970	2,3,4,5	1
Wind River									North Platte									Trial Lake u								
Big Warm	9P12	8370	29	42N	108W	1955	2,3,4,5	1	Lost Lake c	5J23	9300	32	8N	75W	1951	2,3,4,5	1	Trial Lake u	10J8P	9800	5	2S	9E	1931	1,2,3,4,5,6	1
Burroughs Creek	9P4*	8750	43°41'		109°40'	1948	2,3,4,5	1	McIntyre c	5N1P	8360	23	15N	71W	1936	2,3,4,5	1									
Castle Creek	9F20	8400	19	43N	104W	1975	2,3,4,5	1	Pole Mountain	5N1P	8360	23	15N	71W	1936	2,3,4,5	1									
Dinwoody	9P10A	10160	33	38N	105W	1948	2,3,4,5	1	Roach c	6J12	9800	15	11N	78W	1940	2,3,4,5	1									
Dry Creek	9F9	9620	35	4N	6W	1948	2,3,4,5	1	Albany	6N11	9120	17	14N	78W	1949	2,3,4,5	1									
DuNolr	9F6	8760	27	42N	108W	1940	2,3,4,5	1	Arrastra Lake	6N21*	10280	9	16N	80W	1971	2,3,4,5	1,6									
Geyaer Creek	9F7	8500	6	41N	107W	1948	2,3,4,5	1	Big South c	5J3	8600	33	8N	75W	1936	2,3,4,5	1									
Little Warm	9F8*	9620	24	41N	108W	1948	2,3,4,5	1	Bottle Creek	6H8	8700	13	14N	85W	1936	2,3,4,5	1,6									
Sheridan R.S.	9P14	7720	3	42N	109W	1955	2,3,4,5	1	Boxelder	5G1	7280	19	30N	75W	1950	2,3,4,5	1									
T-Cross Ranch	9F3	8000	1	43N	107W	1940	2,3,4,5	1	Buck Creek	5G3	7900	8	30N	76W	1972	2,3,4,5	1									
Togwotee Pass	10F9*	9580	28	44N	110W	1936	1,2,3,4,5	5	Cameron Pass c	5J1	10285	2	6N	76W	1936	2,3,4,5	1									
Popa Agie River									Crow Creek									Teton River								
Blue Ridge	8C2	9620	23	31N	101W	1939	2,3,4,5	1	Casper Mountain	6G1*	7850	21	32N	79W	1954	1,2,3,4,5	1	Darby Canyon	10F21A	8250	28	43N	118W	1961	1,2,3,4,5	1
Hobbs Park	9C3*	10100	22	2S	3W	1948	2,3,4,5	1	Chambers Lake c	5J2P	9000	6	7N	75W	1936	2,3,4,5	1	Freda Mountain	10F22	8000	12	44N	118W	1969	1,2,3,4,5	1
Middle Fork	8G6	7420	24	32N	101W	1968	2,3,4,5	1	Columbine c	6J3*	9300	21	5N	82W	1936	2,3,4,5	1	Indian Meadows	10F25	8240	33	46N	117W	1973	1,2,3,4,5,6	1
Moquito Park R.S.	9C4	9500	23	2S	3W	1940	2,3,4,5	1	Deep Lake	6N17	10500	32	17N	79W	1965	2,3,4,5	1,6	Jackpine Creek	10F26	7350	15	46N	118W	1973	1,2,3,4,5,6	1
Sawmill Glade	8C1	8740	3	31N	101W	1939	2,3,4,5	1	Elk River c	6J4P	8700	6	10N	85W	1936	2,3,4,5	1	Niles Creek	10F27	7300	13	44N	118W	1973	1,2,3,4,5,6	1
South Pass	8G3	9040	13	30N	101W	1939	2,3,4,5	1	Foxpark	6N12	9060	21	13N	78W	1936	2,3,4,5	1	Teton W.S.	10F24	7740	43°30'		110°59'	1973	2,3,4,5	1
St. Lawrence R.S.	9F11*	8960	26	1N	4W	1940	2,3,4,5	1	Joe Wright c	5J37*	10000	35	7N	76W	1967	2,3,4,5	1									
Townsend Creek	8G7	8700	42°41'		108°33'	1974	2,3,4,5	1	LaBonte	5G2	7750	24	27N	74W	1940	2,3,4,5	1									
Trout Creek	9G2	8210	7	2S	2W	1948	2,3,4,5	1	LaPrele	5J4*	8375	42°26'		105°52'	1975	2,3,4,5	1									
Owl Creek									North Barrett Creek									Bear River								
Owl Creek	8F1	8975	29	43N	101W	1948	2,3,4,5	1	Moaa Lake	6N16	9880	27	17N	80W	1964	2,3,4,5	1,6	Big Park	10G11	8620	7	27N	117W	1951	2,3,4,5	1
Greybull River									North French Creek									CCC Camp								
Timber Creek	9E3P	7950	23	47N	103W	1955	2,3,4,5	1	North French Creek	6N4	10180	27	16N	80W	1938	2,3,4,5	1,6	Burta-Nillier Ranch u	10J6	7900						

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with the Snow Survey"*